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Yen 3675
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Utility-model/ new registration document

3047126

[Abstract(made by the applicant)] [Claims] [Drawing Description] [Detail Description]

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(57)

[ABSTRACT]**[PROBLEM TO BE SOLVED]**

It makes of stability and authenticity hold a napkin for physiology in predetermined lay for a crotch of the main body of panties, and improvement of adhesion to crotch department is planned.

[SOLUTION]

Holding piece of cloth 5 for a napkin is exposed inward, and *ga* to hold of crotch piece of cloth 4 of main body of panties 1 is installed, and there is between this holding piece of cloth 5 and crotch piece of cloth 4, and stretch fabric single 6 having a short few of in *sai* amplitude and length is installed in central part of a widthwise direction than holding piece of cloth 5 and crotch piece of cloth 4, front of developer bezel of crotch front of developer bezel and stretch fabric single 6 of front section side of holding piece of cloth 5 is mounted in condition put together unitedly by front of developer bezel of crotch piece of cloth 4 of panties body 1, heel bezel of crotch heel bezel and stretch fabric single 6 of back body side of holding piece of cloth 5 is mounted in condition put together unitedly by heel bezel of crotch piece of cloth 4 of panties body 1, right and left both sides arm of holding piece of cloth 5 and stretch fabric single 6 is done with disconnection arm of not yet, mounting as against crotch piece of cloth 4.

[CLAIM FOR THE UTILITY MODEL REGISTRATION]**[Claim 1]**

A holding piece of cloth for a napkin is exposed, and *ga* to hold is installed in crotch wall of the main body of panties, and crotch heel bezel of crotch front of developer bezel and back body side of front section side of this holding piece of cloth is mounted by above panties body, in *sanitarisyotsu* that the right and left both sides arm was considered to be disconnection arm of not yet, mounting; *sanitarisyotsu*; wherein; A piece of cloth that said holding piece of cloth hits skin directly, Waterproof canvas, It is three levels of configuration consisting of pieces of cloth which a bilateral lapel piece abuts of said napkin.

[Claim 2]

sanitarisyotsu as claimed in claim 1 that said piece of cloth is fabric woven of fishing net as woof cloth of elastic property.

[Claim 3]

sanitarisyotsu; wherein; A holding piece of cloth for a napkin is exposed inward, and *ga* to hold of a crotch piece of cloth of the main body of panties is installed, and it is an interval with this holding piece of cloth and an above crotch piece of cloth, and a stretch fabric piece having a short few of in *sai* amplitude and length is installed in central part of a widthwise direction than an above holding piece of cloth and an above crotch piece of cloth, front of developer bezel of crotch front of developer bezel and an above stretch fabric piece of front section side of an above holding piece of cloth is mounted in condition put together unitedly by front of developer bezel of a crotch piece of cloth of above panties body, heel bezel of crotch heel bezel and an above stretch fabric piece of back body side of an above holding piece of cloth is mounted in condition put together unitedly by heel bezel of a crotch piece of cloth of above panties body, the right and left both sides arm of an above holding piece of cloth and an above stretch fabric piece was done with disconnection arm of not yet, mounting as against an above crotch piece of cloth.

[Claim 4]

sanitarisyotsu as claimed in claim 3 that is a piece of cloth that said holding piece of cloth hits skin directly and three levels of configuration that it is from waterproof canvas and a bilateral piece of cloth which it is turned down, and a piece abuts with of an above napkin.

[BRIEF DESCRIPTION OF DRAWINGS]

[FIG. 1]

It is elevation of *sanitarisyotsu* of the present invention.

[FIG. 2]

It is alignment for a crotch of *sanitarisyotsu*.

[FIG. 3]

It is cross section of a holding piece of cloth.

[FIG. 4]

It is a crotch piece, a holding piece of cloth and an exploded view to show a stretch fabric piece.

[FIG. 5]

It is cross section for a crotch of *sanitarisyotsu*.

[FIG. 6]

It is end view explaining the method which mounts a holding piece of cloth of *sanitarisyotsu* with a napkin.

[FIG. 7]

It is end view explaining the method which mounts a holding piece of cloth of *sanitarisyotsu* with a napkin.

[FIG. 8]

It is end view explaining the method which mounts a holding piece of cloth of *sanitarisyotsu* with a napkin.

[FIG. 9]

It is the cross section which watched a crotch to explain action of a stretching piece at the time of *sanitarisyotsu* wearing from the side.

[FIG. 10]

It is the cross section which watched a crotch to explain action of a stretching piece at the time of *sanitarisyotsu* wearing from anticus.

[FIG. 11]

It is a perspective diagram showing an example of a napkin for physiology.

[FIG. 12]

It is figure showing the condition which mounted conventional *sanitarisyotsu* with a napkin for physiology.

[DENOTATION OF REFERENCE NUMERALS]

1 The main body of panties 2 Ex-in full bloom 3 Tutelage 4 A crotch piece 5 A holding piece of cloth 5a Crotch front of developer bezel 5b Crotch heel bezel 5c, 5d Disconnection arm 6 A stretching piece 6a Front of developer bezel 6b Heel bezel 6c, 6d Disconnection arm 11 A napkin 12a, 12b A lapel piece

[DETAILED DESCRIPTION OF THE INVENTION]

[0001]

[FIELD OF THE INVENTION]

sa that the present invention holds a napkin for physiology in of stability and authenticity to a crotch of the main body of panties Along with *seru*, *sanitarisyotsu* superior for a feeling of wearing is related to.

[0002]

[PRIOR ART]

About a napkin for physiology, it is insertion in of stability and easy to a crotch of the main body of

panties Various kinds of betterment is added to drain off, as shown in FIG. 11, it is *napu* recently Lapel single 42,42 are installed in right and left both sides of main body of *kin* 41, it is these lapel piece Adhesion face 43,43 jacketed in break away film for conservation (graphic display abbreviation) to 42,42 An each *ga* thing installed in is general.

[0003]

Such a conventional napkin turns down as shown in FIG. 12, single 42,42 It opens, and wall of crotch 46 of main body of panties 45 has an expectation with main body of napkin 41, it is broken It is paid, and single 42,42 are folded in lateral of main body of panties 45, and it is conservation *yo** Removal, adhesion face 43,43 resemble from face 43,43 adhesively bonding *ri* film respectively, and it is *te* both lapels piece 42,42 become bond to outside surface of crotch 46 respectively *ru*.

[0004]

By means of this, A napkin is *ho* in of stability and authenticity to crotch 46 of main body of panties 45 It becomes maintain.

[0005]

However, In described above conventional *sanitarisyotsu*, it is a lapel of a napkin A look is evil so that single 42,42 are in an exposed condition in lateral of main body of panties 45 *ku* and this division hit inside of the thigh, and a feeling of wearing is bad.

[0006]

In there, It is assumed that such a problem is solved, and it is the 300th utility model registration, for example Panties for physiology which seems to be described by 2607 bulletin are proposed.

[0007]

Panties for this physiology arrange waterproof canvas in inner surface of a crotch of the main body of panties, it is this *bo* While the main body of panties and arrival at *ho* do both sides part of both ends neighborhood after forward and backward both ends and this of a light blue cloth, Both sides part of waterproof canvas makes isolate without plating with panties body and *ho*, and, of waterproof canvas, it made isolate The configuration which gathers were made for in consonance with both sides marginal part of division is become. In other words, A napkin *no* lapel single 42,42 are broken in the arrival at *ho* division which does not do with waterproof canvas and the main body of panties *na* which bonds including everything, this lapel single 42,42 tucked in to rear of waterproof canvas There is *tte*. For this case, Gathers are made for both sides marginal part of waterproof canvas, and it is *bo* in waterproof canvas above Add to *ra*, and airspace of top and bottom direction between *things* of the main body of panties is increased, and it is occasion *hen* of a napkin *shi* single 42,42 can be easily turned down.

[0008]

As thus described, Panties for conventional physiology are *bo* with lapel single 42,42 of a napkin By means of turning down in the rear side of a light blue cloth, don't be exposed to lateral of the main body of panties Then, By means of making gathers for both sides marginal part of waterproof canvas together, of a napkin Lapel single 42,42 are easy to be turned down in the rear side of waterproof canvas, and it is done.

[0009]

[PROBLEM TO BE SOLVED BY THE INVENTION]

However, With panties for conventional physiology, it is lapel single 42,42 of a napkin Because direct adhesion does *no* adhesion side 43,43 in rear of waterproof canvas, it is lapel single 42, By means of 42 being torn off frequently, waterproof canvas is lost by adhesive strength of adhesion side The issue of *ru* (in other words water proof characteristics deteriorate, and leak is produced) matched.

[0010]

In addition, To department between crotches of a napkin loaded with panties for conventional physiology by waterproof canvas It is not considered the 300th class about adhesion. In other words, Some adhesion is provided Despite enough adherence degree of the degree which the adherence degree is really active, and do not slip off either of a thing About *zu*, discomfort by drift in activity, it is actual condition that is not dissolved enough There is.

[0011]

In other words, With panties for conventional physiology, make gathers for both sides marginal part of waterproof canvas When panties for this physiology were worn in being, both sides marginal part of waterproof canvas, of a crotch Both inside of the thigh part is adhered to. In other words, It is *tsu* on a napkin loaded by this waterproof canvas If it tries to be, it is *gyaza* that right and left both sides marginal part of a napkin was installed in both sides marginal part of waterproof canvas In the napkin central part that is important although both inside of the thigh part between crotches is adhered to by means of contractive force of When it is turned on, because such a force (the force which seems to be pushed to a crotch part) does not act, it is a case Be similar, and airspace is enacted *tte* between napkin central part and a crotch part, this, of drift in activity There was issue a cause was become, and to give wearer discomfort.

[0012]

In addition, It is occasion *hen* of a napkin by making gathers for both sides marginal part of waterproof canvas When *shi* single 42,42 were bonded to rear of waterproof canvas, boil the lapel single 42,42 About *tte* contained gathers division, to waterproof canvas rear of lapel single 42,42 Elastic property is limited by *no* adhesive strength. Therefore, Right and left *ryo* of a napkin Issue that it is promising that adherence power in itself to both inside of the thigh part of side edges is not provided enough There was *ga*.

[0013]

In addition, On the contrary, boil lapel single 42,42 of a napkin at the time of wearing of panties for physiology, and it is When is extended *te* so that contained gathers division fits a figure, it is occasion *hen* Adhesion side 43,43 of *shi* single 42,42 exfoliate from rear of waterproof canvas, a napkin comes off There was issue to put *te* away.

[0014]

With the thing which the present invention should solve problems to be concerned with, and can leave invention, the object is *napu* for physiology When it makes of stability and authenticity hold *kin* in predetermined lay for a crotch of the main body of panties It is similar, a look after insertion it be superior to adhesion to department between crotches, and to beat and a feeling of wearing are good *sanitari* It is to provide panties.

[0015]

[MEANS TO SOLVE THE PROBLEM]

sanitarisyotsu as claimed in claim 1 of the present invention is *na* to solve the problem A holding piece of cloth for *pukin* is won, and *ga* to hold arranges in crotch wall of the main body of panties Along with *rareru*, it is crotch front of developer bezel of the front section side of this holding piece of cloth and crotch heel bezel of the back body side *to* is mounted by the main body of panties, it is *sanitari* that the right and left both sides arm was considered to be disconnection arm of not yet, mounting Piece of cloth and waterproof canvas and *na* which hit skin in the holding piece of cloth in panties directly It was done with three levels of configuration which consisted of pieces of cloth which a bilateral lapel piece abutted of *pukin* □B

[0016]

In addition, *sanitarisyotsu* as claimed in claim 2 of the present invention, to a thing as claimed in claim 1 It was put, and each piece of cloth was formed in fabric woven of fishing net as woof cloth of elastic property.

[0017]

In addition, *sanitarisyotsu* as claimed in claim 3 of the present invention is crotch cloth of the main body of panties A holding piece of cloth for a napkin is won inward, and *ga* to hold of a piece is installed and This holding piece of cloth is met between the crotch pieces of cloth, and, in central part of a widthwise direction, it is the holding piece of cloth And, In *sai* amplitude and a stretch fabric piece short slightly of length are installed than the crotch piece of cloth, Front of developer bezel of crotch front of developer bezel of the front section side of the holding piece of cloth and the stretch fabric piece is *go wasa* Is

mounted in *reta* condition unitedly by front of developer bezel of a crotch piece of cloth of the main body of panties, it is the holding Heel bezel of crotch heel bezel of the back body side of a piece of cloth and the stretch fabric piece is condition put together Is mounted unitedly by heel bezel of a crotch piece of cloth of the main body of *de* above panties, the holding piece of cloth extends Right and left both sides arm of the stretch fabric piece is considered to be disconnection arm of not yet, mounting as against the crotch piece of cloth It is a *ta* person.

[0018]

In addition, *sanitarisyotsu* as claimed in claim 4 of the present invention, to a thing as claimed in claim 5 It is put, and it is a piece of cloth and waterproof canvas and the left of the napkin hitting skin in the holding piece of cloth directly It was done with three levels of configuration which consisted of pieces of cloth which a right lapel piece abutted.

[0019]

[MODE FOR CARRYING OUT THE INVENTION]

As follows, Detailed description of the preferred embodiment of the present invention is explained when taken with the drawing.

[0020]

FIG. 1, elevation of *sanitarisyotsu* of the present invention, FIG. 2, alignment for a crotch, FIG. 3 It is cross section of a holding piece of cloth.

[0021]

sanitarisyotsu of the present invention, the whole of main body of panties 1, by means of elastic property line of thread Is sewed by organized raw material , front section 2, back body 3, is extended when it classifies roughly The crotch piece which is the crotch which joins the lower end of back body 3 to the lower end of front section 2 (a crotch) Department piece of cloth) 4 is consisted of.

[0022]

And, The crotch piece which composes this crotch in *sanitarisyotsu* of the present invention A holding piece of cloth for napkin (FIG. 6 - FIG. 8 reference) 11 is won to 4, and *ga* to hold 5 is mounted, and this holding piece of cloth 5 is met between crotch single 4 and, of a widthwise direction *sutore* which has a short few of length winning in *sai* amplitude than holding piece of cloth 5 and crotch single 4 in central part *cchi* piece of cloth 6 was mounted.

[0023]

Fabric woven of fishing net as woof cloth 5e and *bo* of the elastic property that holding piece of cloth 5 hits skin as shown in FIG. 3 directly The elastic property which light blue cloth 5f and bilateral lapel piece 12a, 12b of napkin 11 about It is three levels of configuration consisting of *no* fabric woven of fishing net as woof cloth 5g, and the whole is configuration of crotch single 4 It is *ni* approximately adapted configuration. In addition, Fabric woven of fishing net as woof cloth 5e of elastic property hitting skin directly Adhesion (laminate) is considered to be waterproof canvas 5f generally and is integrated with, it is these Fabric woven of fishing net as woof cloth 5e and waterproof canvas 5f and bilateral lapel piece 12a, 12b of napkin 11 With fabric woven of fishing net as woof cloth 5g of elastic property abutting *ga*, all the circumference can leave arrival at *ho* and it is integrated with □B

[0024]

As thus described, Install fabric woven of fishing net as woof cloth 5g of elastic property as a flesh side pressing cloth of waterproof canvas 5f Adhesion side 14 which it was similar, and was installed in *ri*, lapel piece 12a of napkin 11, 12b, Direct adhesion is not done in waterproof canvas 5f. In other words, Lapel piece 12a, 12 By means of b being torn off frequently, waterproof canvas 5f is loss by adhesive strength of adhesion side 14 It is rope *re*, if it will be (in other words water proof characteristics deteriorate, and it does not seem to leak out), it grows.

[0025]

In addition, Stretch fabric single 6 is about 2cm wide and, of the conventional time which does not expand and contract -shaped Length in *tai* comes to have a short about 2cm than holding piece of cloth 5 and crotch single 4 (in FIG. 4) Cf. deal drawing) to show. By way of example only, Length of holding

piece of cloth 5 and crotch single 4 is 19cm A case, length of stretch fabric single 6 become about 17cm.

[0026]

Such holding piece of cloth 5 and stretch fabric single 6 is a crotch of front section 2 side of holding piece of cloth 5 Department front of developer bezel 5a and front of developer bezel 6a of stretch fabric single 6 are crotch front of developer bezel of crotch single 4 Crotch heel bezel of back body 3 side of and leave arrival at *ho* to the lower end of front section 2 along with 4a holding piece of cloth 5 5b and heel bezel 6b of stretch fabric single 6 are with crotch heel bezel 4b of crotch single 4 Arrival at *ho* is considered to be the lower end of *ni* back body 3. In addition, Right and left both sides arm 5c of holding piece of cloth 5, 5 d becomes disconnection arm of arrival at *miho* as against crotch single 4. In addition, Stretch fabric Single 6 is similar, too, and the right and left both sides arm 6c, 6d are *kai* of arrival at *miho* as against crotch single 4 *ho* arm is become.

[0027]

In other words, It is bottom end bezel of front section 2 with holding piece of cloth 5, stretch fabric single 6 and crotch single 4 It is holding piece of cloth 5 as shown in FIG. 5 in an arrival at *ho* done state between bottom end bezel of *to* back body 3 By action of stretch fabric single 6 which is shorter than unpleasant crotch single 4, it is holding piece of cloth 5 and black *cchi* single 4 becomes the condition which became loose (the condition which seems to have beaten against wave slightly) slightly.

[0028]

Next, About the method which mounts constructive *sanitarisyotsu* with napkin 11 It will be easily explained referring to figure 6 - figure 8.

[0029]

At first, Holding piece of cloth 5 is hit with napkin 11, and *ga* is bilateral lapel piece 12a, 1 2b is opened (FIG. 6 reference). After this, Opened bilateral lapel piece 12a, 12b, Bilateral disconnection arm 5c, 5d are gone through respectively, and it is turned down in the backside of holding piece of cloth 5 (FIG. 7) and It makes fabric woven of fishing net as woof cloth 5g that are reference), a flesh side pressing cloth abut, it is * in both lapels piece 12a, 12b Rejected adhesion side 13,14 are bonded to fabric woven of fishing net as woof cloth 5g (FIG. 8 reference), and it is napkin 11 *no* wearing is completed.

[0030]

In other words, Lapel piece 12a, 12b are space between *things* of holding piece of cloth 5 and crotch single 4 Lateral of form to get into between or main body of panties 1 (in other words, lateral of crotch single 4) It does not need to be exposed to). Therefore, Lapel piece 12a, 12b are inside of the thigh region between crotches The discomfort which it is similar, and *chokusetsu* hits needs not to be felt.

[0031]

Next, In this way *sanitarisyotsu* which loaded napkin 11 was worn Action of stretch fabric single 6 of time is explained referring to figure 9 and figure 10. But, The cross section that FIG. 9 watched a crotch when *sanitarisyotsu* was worn from the side FIG. 10 is *a* in the cross section which watched a crotch when *sanitarisyotsu* was worn for some time *ru*.

[0032]

Stretch fabric single 6 is holding piece of cloth 5 and *kuro* in condition of the conventional time which does not expand and contract It shortens *NONIF than *chi* single 4. In other words, Holding piece of cloth 5 and crotch single 4 is wave slightly It is in a condition to seem to have hit *o*. On the other hand, Such *sanitarisyotsu* is worn Then, *sanitarisyotsu* is extended to fit a figure of wearer. In other words, Holding piece of cloth 5 and crotch single 4 is extended to fit a figure.

[0033]

Then, Stretch fabric single 6 is opposed to the elasticity, too, and is extended, but, is extended It is *ko* holding piece of cloth 5 seems to be pushed to department between crotches, and to lift so that *ta*, contractive force increase *to* is become (as shown in it is lifted, direction, figure 9 and figure 10, *yafu*). In other words, A holding piece of cloth It acts on it is thrust, and to put napkin 11 mounted 5 with on a crotch part. In addition, Then, Stretch fabric single 6 is formed by *sai* amplitude, and it is * in central part of a widthwise direction Because is rejected, in central part of holding piece of cloth 5 namely

napkin 11 put on It acts on so that direct push puts *o* part on a crotch part. In other words, Central part of napkin 11 Force it is thrust in an *o* crotch part, and to push to department between crotches in an expectation, right and left both sides marginal part, central part It does not strongly work. As a result, The form that napkin 11 is carbuncle along a crotch part (in, by way of example only, Yamagata configuration) because it is thrust, and is made a hit, a feeling of wearing (in other words, 1 with the bare skin) Cenesthesia) is an increase, normal activity, and it is to the stable thing which does not slip off. As thus described, This departure from Of and *sanitarisyotsu* of *mei* be superior to adhesion to a crotch part napkin 11 at the time of wearing Superior configuration without worry such as drift or leak is become.

[0034]

In addition, About amplitude of stretch fabric single 6, a thing of 2cm amplitude is illustrated as an operative example It is done, but, it is not a person limited to this amplitude. But, If this amplitude is too narrow, Adhesion to a crotch part and soundness may deteriorate, on the contrary, it is a holding piece of cloth when too wide Five amplitude and result and *na* which it is not strange, and push the whole of napkin 11 to the crotch part side Because the form which is *ri*, carbuncle along department between crotches is hard to be become, one feeling with the bare skin is falling probability There is *ga*.

[0035]

[EFFECT OF THE INVENTION]

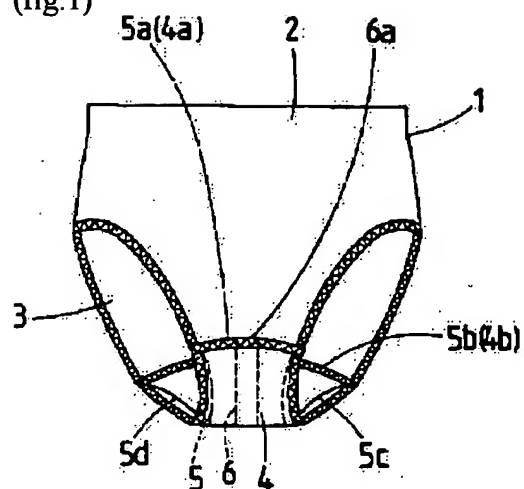
Holding cloth for *sanitarisyotsu* of the present invention wins a napkin, and *ga* to hold A piece is made for crotch wall of the main body of panties, and it is a crotch of the front section side of this holding piece of cloth Department front of developer bezel and crotch heel bezel of the back body side are mounted in the main body of panties, right and left both sides arm is *mitori* The cloth which hits skin in a holding piece of cloth in *sanitarisyotsu* assumed disconnection arm of arrival at directly Three levels of *kamae* which become a piece from waterproof canvas and a piece of cloth which a bilateral lapel piece abuts of a napkin It is as *zo*. In other words, Install the third level piece of cloth as a flesh side pressing cloth of waterproof canvas The adhesion side which it be similar, and was installed in *ri*, a lapel piece of a napkin leave direct adhesion in waterproof canvas Even if a lapel piece is torn off with a *thing* of *i* frequently, waterproof canvas is loss by means of adhesive strength of adhesion side There is not a thing such as for example rope *reru*. In other words, Water proof characteristics need not to be lost. In addition, A lapel piece of a napkin gets into a gap between *things* of a holding piece of cloth and the main body of panties, it is *syo* There does not need to be a thing exposing outward of the main body of *tsu*. Therefore, A lapel piece is direct *to* in inside of the thigh part There was not discomfort such as for example *taru* and was superior in a look after insertion and a feeling of insertion.

[0036]

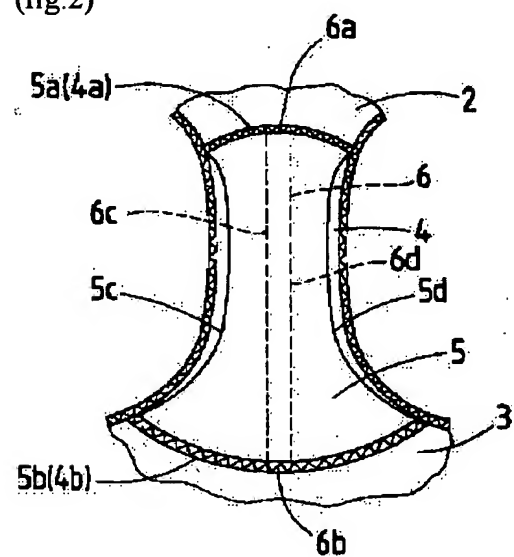
In addition, *sanitarisyotsu* of the present invention is *napu* in wall of a crotch piece of cloth of the main body of panties A holding piece of cloth for *kin* is won, and *ga* to hold is established, and it is this holding piece of cloth and a crotch Than a piece of cloth which it meets between department pieces of cloth, and hold in central part of a widthwise direction and a crotch piece of cloth, in *sai* amplitude A stretch fabric piece short slightly of *tsu* length is established, it is with crotch front of developer bezel of the front section side of a holding piece of cloth 's best in front of developer bezel of a crotch piece of cloth of panties body in the condition which merged a front of developer border of a *torecchi* piece of cloth It is mounted for body, heel bezel of crotch heel bezel and a stretch fabric piece of the back body side of a holding piece of cloth It is mounted in heel bezel of a crotch piece of cloth of the main body of panties in condition put together unitedly, it is holding piece of cloth *oyobi* The assembling which assumed right and left both sides arm of a *bi* stretch fabric piece disconnection arm of not yet, mounting as against a crotch piece of cloth It is done. In other words, The which is formed briefly which wins in *sai* amplitude than a holding piece of cloth and a crotch piece A *torecchi* piece of cloth thrusts central part of a napkin loaded by a holding piece of cloth in a crotch part, and it is *to* It does not seem to make it is direct, and force to push to department between crotches work in *te*, right and left both sides marginal part, and a product *yosu* A napkin thrusts in the form which is carbuncle along a crotch part

(by way of example only, Yamagata configuration) in a *thing* of *ru*, expectations *reru* result, a feeling of wearing (one in other words, feeling with the bare skin) are drift *na* in an increase, normal activity The person whom it is, and yasuteishi is become. In other words, Of worry such as drift or leak of a napkin at the time of wearing, there is not Superior configuration is become.

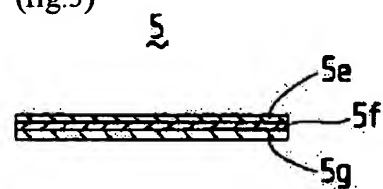
(fig.1)



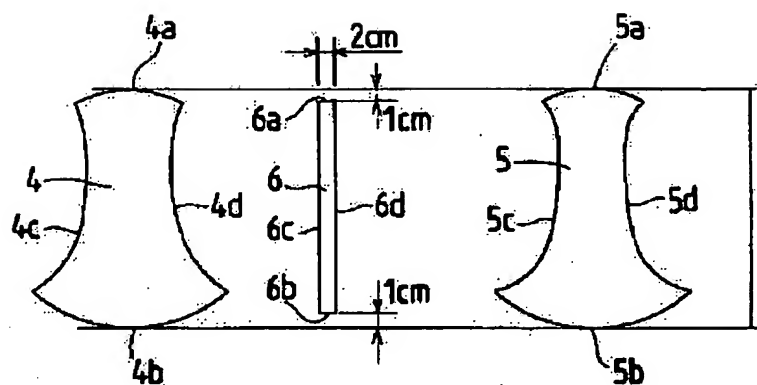
(fig.2)



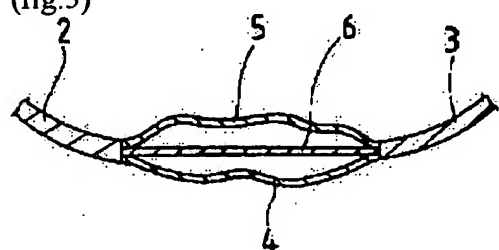
(fig.3)



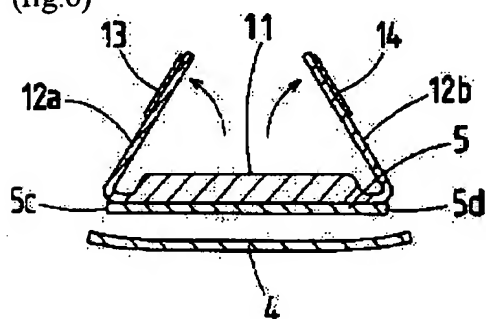
(fig.4)



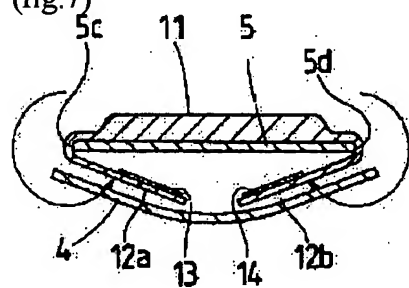
(fig.5)



(fig.6)



(fig.7)



(fig.8)

